## **List and Guide to Appendices**

Appendix 1. Certificate of analysis for Zanthin® extract complex.

Appendix 2. Analytical comparison of *Hamatococcus* algae raw material and extract.

Appendix 3. Official analytical protocol for carotenoid and fatty acid analysis.

Appendix 4. (CONFIDENTIAL) Production methods for Algatechnologies Haematococcus algae.

Appendix 5. (CONFIDENTIAL) Haematococcus strain used in Algatechnologies algae production.

Appendix 6i -6vi. Certificate of analysis of *Haematococcus* from Algatechnologies.

Appendix 7. Material Safety Data Sheet for Algatechnolgies *Haematococcus* algae.

Appendix 8. (**CONFIDENTIAL**)Production methods for U.S. Nutra's CO<sub>2</sub> Haematococcus extract.

Appendix 9. Analytical data on U.S. Nutra's product - pesticide, mineral content.

Appendix 10i -10iii. Certificate of analysis – examples from different batches of U.S. Nutra's  $CO_2$  Haematococcus extract (Zanthin<sup>®</sup>).

Appendix 11. Stability data of Zanthin 5mg astaxanthin complex vegetarian soft gel and stability data on U.S. Nutra's astaxanthin-rich carotenoid oleoresin extracted from *Haematococcus pluvialis* (Zanthin®).

Appendix 11a. Stability data on the beadlet form of U.S. Nutra's astaxanthin-rich carotenoid oleoresin (Zanthin<sup>®</sup>).

Appendix 11b. Product specification sheet on Zanthin<sup>®</sup> 2.5% astaxanthin complex beadlet, including ingredient list for the beadlet form.

Appendix 11c. Certificate of product compliance for Zanthin® beadlet form stating that the product contains non bovine gelatine type A and that the product is GMO –free.

Appendix 12. Astacarotene's specification sheet for dried *Haematococcus* algae.

Appendix 13 Analytical comparison of *Hamatococcus* algae from ALGATechnologies and Mera Pharmaceuticals.

Appendix 14. Microbiological load for U.S. Nutra's Astaxanthin-rich carotenoid oleoresin.

Appendix 15. Statement from Dr Boon Chew on the safety of U.S. Nutra's Astaxanthin-rich carotenoid oleoresin from a recent clinical trial with Zanthin<sup>®</sup>.

Appendix 16. Explanation and discussion on the changes for cis –trans in *Haematococcus* dried algae and U.S. Nutra's astaxanthin-rich carotenoid oleoresin(Zanthin<sup>®</sup>).

Appendix 17. Expert opinion on the phytochemical similarity of *Haematococcus* pluvialis algae obtained from different sources.

Appendix 17a. Background and biography of the expert used in appendix 17.

Appendix 18. Statement from Algatechnologies that they supply large quantities of the same algae to both U.S. Nutra and Astacarotene.

Appendix 19. Summary of the similarities of the production methods used by both Algatechnologies and Astacarotene.

Appendix 20. Expert opinion confirming that both Algatechnologies and Astacarotene's production methods are very similar and would be expected to produce algae that contain very similar phytochemical profiles.